

Seong-Taek Yun

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

186
papers

4,314
citations

33
h-index

58
g-index

191
ext. papers

4,878
ext. citations

4.8
avg, IF

5.47
L-index

#	Paper	IF	Citations
186	Data-driven sequence labeling methods incorporating the long-range spatial variation of geological data for lithofacies sequence estimation. <i>Journal of Petroleum Science and Engineering</i> , 2022 , 208, 109345	4.4	0
185	Development of an integrated hydrochemical index for delineating livestock manure-derived groundwater plumes in agro-livestock farming areas. <i>Ecological Indicators</i> , 2022 , 138, 108838	5.8	
184	Constraining the effectiveness of inherent tracers of captured CO for tracing CO leakage: Demonstration in a controlled release site.. <i>Science of the Total Environment</i> , 2022 , 824, 153835	10.2	0
183	Hydrogeochemical Characteristics of Bottled Waters Sourced from Bedrock Aquifers in South Korea: Evaluation of Water Type and Natural Background Levels. <i>Water (Switzerland)</i> , 2022 , 14, 1457	3	
182	Physicochemical patterns observed in a groundwater well with CO2 stratification: Learnings from an automated monitoring from South Korean national groundwater monitoring network. <i>Journal of Hydrology</i> , 2021 , 604, 127229	6	0
181	Shift of nitrate sources in groundwater due to intensive livestock farming on Jeju Island, South Korea: With emphasis on legacy effects on water management. <i>Water Research</i> , 2021 , 191, 116814	12.5	10
180	Assessment of Soil Contamination by Gas Cloud Generated from Chemical Fire Using Metabolic Profiling and Associated Bacterial Communities. <i>Minerals (Basel, Switzerland)</i> , 2021 , 11, 372	2.4	0
179	Spatial patterns of Zn, Cd, and Pb isotopic compositions of ground and surface water in mine areas of South Korea reflecting isotopic fractionation during metal attenuation. <i>Science of the Total Environment</i> , 2021 , 779, 146453	10.2	3
178	Delineating the impacts of poultry burial leachate on shallow groundwater in a reclaimed agro-livestock farming area, using multivariate statistical analysis of hydrochemical data. <i>Environmental Science and Pollution Research</i> , 2021 , 28, 7742-7755	5.1	2
177	Groundwater contamination assessment in Ulaanbaatar City, Mongolia with combined use of hydrochemical, environmental isotopic, and statistical approaches. <i>Science of the Total Environment</i> , 2021 , 765, 142790	10.2	4
176	Application of conditional generative model for sonic log estimation considering measurement uncertainty. <i>Journal of Petroleum Science and Engineering</i> , 2021 , 196, 108028	4.4	6
175	Short-Term Monitoring of Geogenic Soil CO2 Flux in a Non-Volcanic and Seismically Inactive Emission Site, South Korea. <i>Frontiers in Earth Science</i> , 2021 , 8,	3.5	1
174	NaHCO ₃ - and NaCl-Type Hot Springs Enhance the Secretion of Inflammatory Cytokine Induced by Polyinosinic-Polycytidylic Acid in HaCaT Cells. <i>Annals of Dermatology</i> , 2021 , 33, 440-447	0.4	
173	The Effect of Carbon Dioxide Leaked from Geological Storage Site on Soil Fertility: A Study on Artificial Leakage. <i>Economic and Environmental Geology</i> , 2021 , 54, 409-425		
172	Hydrochemical and Isotopic Difference of Spring Water Depending on Flow Type in a Stratigraphically Complex Karst Area of South Korea. <i>Frontiers in Earth Science</i> , 2021 , 9,	3.5	1
171	Geochemical pattern recognitions of deep thermal groundwater in South Korea using self-organizing map: Identified pathways of geochemical reaction and mixing. <i>Journal of Hydrology</i> , 2020 , 589, 125202	6	17
170	Evaluation of Long-Term Impacts of CO2 Leakage on Groundwater Quality Using Hydrochemical Data from a Natural Analogue Site in South Korea. <i>Water (Switzerland)</i> , 2020 , 12, 1457	3	3

169	Application of noble gas tracers to identify the retention mechanisms of CO ₂ migrated from a deep reservoir into shallow groundwater. <i>International Journal of Greenhouse Gas Control</i> , 2020 , 97, 103041	4.2	7
168	Interpreting the Subsurface Lithofacies at High Lithological Resolution by Integrating Information From Well-Log Data and Rock-Core Digital Images. <i>Journal of Geophysical Research: Solid Earth</i> , 2020 , 125, e2019JB018204	3.6	3
167	Monitoring the movement of artificially injected CO at a shallow experimental site in Korea using carbon isotopes. <i>Journal of Environmental Management</i> , 2020 , 258, 110030	7.9	5
166	Effects of soil moisture content on CO ₂ triggered soil physicochemical properties in a near-surface environment. <i>Journal of Soils and Sediments</i> , 2020 , 20, 2107-2120	3.4	3
165	Mean transit time and subsurface flow paths in a humid temperate headwater catchment with granitic bedrock. <i>Journal of Hydrology</i> , 2020 , 587, 124942	6	6
164	Efficacy of in situ well-based denitrification bio-barrier (WDB) remediating high nitrate flux in groundwater near a stock-raising complex. <i>Journal of Environmental Management</i> , 2020 , 258, 110004	7.9	3
163	Analyses and numerical evaluation of integrated time-series monitoring datasets including CO ₂ concentration and fluxes at controlled CO ₂ release site in South Korea. <i>Journal of Hydrology</i> , 2020 , 590, 125213	6	3
162	Microbial diversity of two natural CO ₂ -rich springs with contrasting hydrochemical features. <i>Geosciences Journal</i> , 2020 , 24, 745-753	1.4	
161	Modified approach for estimating geogenic Pb isotope ratios in soils for metal source apportionment. <i>Environmental Earth Sciences</i> , 2020 , 79, 1	2.9	
160	Quantitative assessment of deep-seated CO leakage around CO-rich springs with low soil CO efflux using end-member mixing analysis and carbon isotopes. <i>Journal of Environmental Management</i> , 2020 , 276, 111333	7.9	3
159	Electrokinetic remediation of heavy metal-contaminated soils: performance comparison between one- and two-dimensional electrode configurations. <i>Journal of Soils and Sediments</i> , 2020 , 21, 2755	3.4	6
158	Detection and quantification of underground CO ₂ leakage into the soil using a fiber-optic sensor. <i>Optical Fiber Technology</i> , 2020 , 60, 102375	2.4	2
157	Real-time monitoring of carbon dioxide emissions from a shallow carbon dioxide release experiment. <i>Vadose Zone Journal</i> , 2020 , 19, e20051	2.7	2
156	Hydrochemical Parameters to Assess the Evolutionary Process of CO ₂ -Rich Spring Water: A Suggestion for Evaluating CO ₂ Leakage Stages in Silicate Rocks. <i>Water (Switzerland)</i> , 2020 , 12, 3421	3	1
155	Assessment of nitrogen application limits in agro-livestock farming areas using quantile regression between nitrogen loadings and groundwater nitrate levels. <i>Agriculture, Ecosystems and Environment</i> , 2019 , 286, 106660	5.7	14
154	One-at-a-time sensitivity analysis of pollutant loadings to subsurface properties for the assessment of soil and groundwater pollution potential. <i>Environmental Science and Pollution Research</i> , 2019 , 26, 21216-21238	5.1	18
153	Application of natural and artificial tracers to constrain CO ₂ leakage and degassing in the K-COSEM site, South Korea. <i>International Journal of Greenhouse Gas Control</i> , 2019 , 86, 211-225	4.2	11
152	Feasibility study to optimize a near-surface sensor network design for improving detectability of CO ₂ leakage at a geologic storage site. <i>Journal of Hydrology</i> , 2019 , 572, 32-39	6	3

151	Using stable isotopes and tritium to delineate groundwater flow systems and their relationship to streams in the Geum River basin, Korea. <i>Journal of Hydrology</i> , 2019 , 573, 267-280	6	12
150	Potential CO intrusion in near-surface environments: a review of current research approaches to geochemical processes. <i>Environmental Geochemistry and Health</i> , 2019 , 41, 2339-2364	4.7	8
149	Better assessment of the distribution of As and Pb in soils in a former smelting area, using ordinary co-kriging and sequential Gaussian co-simulation of portable X-ray fluorescence (PXRF) and ICP-AES data. <i>Geoderma</i> , 2019 , 341, 26-38	6.7	18
148	Probabilistic assessment of potential leachate leakage from livestock mortality burial pits: A supervised classification approach using a Gaussian mixture model (GMM) fitted to a groundwater quality monitoring dataset. <i>Chemical Engineering Research and Design</i> , 2019 , 129, 326-338	5.5	5
147	CO ₂ leakage detection in the near-surface above natural CO ₂ -rich water aquifer using soil gas monitoring. <i>International Journal of Greenhouse Gas Control</i> , 2019 , 88, 261-271	4.2	17
146	A novel wavelet-based approach to characterize dynamic environmental factors controlling short-term soil surface CO ₂ flux: Application to a controlled CO ₂ release test site (EIT) in South Korea. <i>Geoderma</i> , 2019 , 337, 76-90	6.7	14
145	Nitrate contamination and subsequent hydrogeochemical processes of shallow groundwater in agro-livestock farming districts in South Korea. <i>Agriculture, Ecosystems and Environment</i> , 2019 , 273, 50-61	5.7	32
144	The combined use of self-organizing map technique and fuzzy c-means clustering to evaluate urban groundwater quality in Seoul metropolitan city, South Korea. <i>Journal of Hydrology</i> , 2019 , 569, 685-697	6	24
143	Signature of oxygen and sulfur isotopes of sulfate in ground and surface water reflecting enhanced sulfide oxidation in mine areas. <i>Applied Geochemistry</i> , 2019 , 100, 143-151	3.5	15
142	Compositional data analysis and geochemical modeling of CO-water-rock interactions in three provinces of Korea. <i>Environmental Geochemistry and Health</i> , 2019 , 41, 357-380	4.7	8
141	Visualization of gaseous and dissolved CO ₂ migration in porous media. <i>Environmental Earth Sciences</i> , 2018 , 77, 1	2.9	2
140	Characterizing the spatial distribution of CO ₂ leakage from the shallow CO ₂ release experiment in South Korea. <i>International Journal of Greenhouse Gas Control</i> , 2018 , 72, 152-162	4.2	20
139	Nutrient removal from hydroponic wastewater by a microbial consortium and a culture of <i>Paracerascomonas saepinatans</i> . <i>New Biotechnology</i> , 2018 , 41, 15-24	6.4	7
138	Recovery of nanomaterials from battery and electronic wastes: A new paradigm of environmental waste management. <i>Renewable and Sustainable Energy Reviews</i> , 2018 , 82, 3694-3704	16.2	61
137	Photosynthetic microalgae-mediated transformation of hexahydro-1,3,5-trinitro-1,3,5-triazine under initially anaerobic conditions. <i>Environmental Progress and Sustainable Energy</i> , 2018 , 37, 1677-1683	2.5	1
136	Investigating the Status of Mine Hazards in North Korea Using Satellite Pictures. <i>Journal of the Korean Society of Mineral and Energy Resources Engineers</i> , 2018 , 55, 564-575	0.2	2
135	Lithologic Control of the Hydrochemistry of a Point-Bar Alluvial Aquifer at the Low Reach of the Nakdong River, South Korea: Implications for the Evaluation of Riverbank Filtration Potential. <i>Water (Switzerland)</i> , 2018 , 10, 1763	3	1
134	Characterization of Environmental Drivers Controlling the Baseline of Soil Surface CO ₂ Flux using Wavelet-based Multiresolution State-Space Model and Wavelet Denoising. <i>Energy Procedia</i> , 2018 , 154, 157-162	2.3	2

133	Development of Raman Lidar for Remote Sensing of CO ₂ Leakage at an Artificial Carbon Capture and Storage Site. <i>Remote Sensing</i> , 2018 , 10, 1439	5	4
132	Blend-electrospun graphene oxide/Poly(vinylidene fluoride) nanofibrous membranes with high flux, tetracycline removal and anti-fouling properties. <i>Chemosphere</i> , 2018 , 207, 347-356	8.4	22
131	Evaluation of amine-functionalized acrylic ion exchange fiber for chromium(VI) removal using flow-through experiments modeling and real wastewater. <i>Journal of Industrial and Engineering Chemistry</i> , 2018 , 66, 187-195	6.3	19
130	Comparison of volatile organic compounds in stormwater and groundwater in Seoul metropolitan city, South Korea. <i>Environmental Earth Sciences</i> , 2017 , 76, 1	2.9	11
129	Hydrochemical assessment of freshening saline groundwater using multiple end-members mixing modeling: A study of Red River delta aquifer, Vietnam. <i>Journal of Hydrology</i> , 2017 , 549, 703-714	6	26
128	Hydrochemical assessment of environmental status of surface and ground water in mine areas in South Korea: Emphasis on geochemical behaviors of metals and sulfate in ground water. <i>Journal of Geochemical Exploration</i> , 2017 , 183, 33-45	3.8	21
127	A predictive estimation method for carbon dioxide transport by data-driven modeling with a physically-based data model. <i>Journal of Contaminant Hydrology</i> , 2017 , 206, 34-42	3.9	8
126	Controlled Release Test Facility to Develop Environmental Monitoring Techniques for Geologically Stored CO ₂ in Korea. <i>Energy Procedia</i> , 2017 , 114, 3040-3051	2.3	18
125	A method of estimating sequential average unsaturated zone travel times from precipitation and water table level time series data. <i>Journal of Hydrology</i> , 2017 , 554, 570-581	6	6
124	Comparison of point-source pollutant loadings to soil and groundwater for 72 chemical substances. <i>Environmental Science and Pollution Research</i> , 2017 , 24, 24816-24843	5.1	4
123	Hydrochemical and Isotopic Characteristics of CO ₂ -rich Groundwater in the Gyeongsang Sedimentary Basin, South Korea: A Natural Analogue Study on the Potential Leakage of Geologically-stored CO ₂ . <i>Energy Procedia</i> , 2017 , 114, 3805-3811	2.3	4
122	Vertical Hydrochemical Stratification of Groundwater in a Monitoring Well: Implications for Groundwater Monitoring on CO ₂ Leakage in Geologic Storage Sites. <i>Energy Procedia</i> , 2017 , 114, 3863-3869	2.3	3
121	Influence of supercritical CO ₂ on bentonite properties. <i>Applied Clay Science</i> , 2017 , 150, 354-363	5.2	0
120	Impacts of leachates from livestock carcass burial and manure heap sites on groundwater geochemistry and microbial community structure. <i>PLoS ONE</i> , 2017 , 12, e0182579	3.7	6
119	Bacterial and fungal community composition across the soil depth profiles in a fallow field. <i>Journal of Ecology and Environment</i> , 2017 , 41,	2	18
118	Spatial distribution, mineralogy, and weathering of heavy metals in soils along zinc-concentrate ground transportation routes: implication for assessing heavy metal sources. <i>Environmental Earth Sciences</i> , 2017 , 76, 1	2.9	6
117	The combined use of dynamic factor analysis and wavelet analysis to evaluate latent factors controlling complex groundwater level fluctuations in a riverside alluvial aquifer. <i>Journal of Hydrology</i> , 2017 , 555, 938-955	6	12
116	Hydrochemical evaluation of the influences of mining activities on river water chemistry in central northern Mongolia. <i>Environmental Science and Pollution Research</i> , 2017 , 24, 2019-2034	5.1	20

115	Removal of copper, nickel and chromium mixtures from metal plating wastewater by adsorption with modified carbon foam. <i>Chemosphere</i> , 2017 , 166, 203-211	8.4	117
114	A Natural Analogue Approach for Discriminating Leaks of CO ₂ Stored Underground Using Groundwater Geochemistry Statistical Methods, South Korea. <i>Water (Switzerland)</i> , 2017 , 9, 960	3	2
113	Hydrogeochemical modeling on water-rock-CO ₂ interactions within a CO ₂ -injected shallow aquifer. <i>Journal of the Geological Society of Korea</i> , 2017 , 53, 657-673	0.6	4
112	Monitoring of TiO ₂ -catalytic UV-LED photo-oxidation of cyanide contained in mine wastewater and leachate. <i>Chemosphere</i> , 2016 , 143, 106-14	8.4	53
111	Leakage and pressurization risk assessment of CO ₂ reservoirs: A metamodelling modeling approach. <i>International Journal of Greenhouse Gas Control</i> , 2016 , 54, 345-361	4.2	5
110	Shallow groundwater system monitoring on controlled CO ₂ release sites: a review on field experimental methods and efforts for CO ₂ leakage detection. <i>Geosciences Journal</i> , 2016 , 20, 569-583	1.4	23
109	Detection of Carbonaceous Aerosols Released in CNT Workplaces Using an Aethalometer. <i>Annals of Occupational Hygiene</i> , 2016 , 60, 717-30		3
108	Global demand for rare earth resources and strategies for green mining. <i>Environmental Research</i> , 2016 , 150, 182-190	7.9	254
107	Role of oxbow lakes in controlling redox geochemistry of shallow groundwater under a heterogeneous fluvial sedimentary environment in an agricultural field: Coexistence of iron and sulfate reduction. <i>Journal of Contaminant Hydrology</i> , 2016 , 185-186, 28-41	3.9	6
106	Monitoring of CO ₂ -rich waters with low pH and low EC: an analogue study of CO ₂ leakage into shallow aquifers. <i>Environmental Earth Sciences</i> , 2016 , 75, 1	2.9	10
105	A novel method of utilizing permeable reactive kiddle (PRK) for the remediation of acid mine drainage. <i>Journal of Hazardous Materials</i> , 2016 , 301, 332-41	12.8	16
104	Occurrence of Vanadium in Groundwater of Jeju Island, Korea. <i>Journal of Environmental Science International</i> , 2016 , 25, 1563-1573	0.2	2
103	Impacts of CO ₂ leakage on plants and microorganisms: A review of results from CO ₂ release experiments and storage sites 2016 , 6, 319-338		22
102	Molecular layer-by-layer assembled forward osmosis membranes. <i>Journal of Membrane Science</i> , 2015 , 488, 111-120	9.6	48
101	Targeted removal of trichlorophenol in water by oleic acid-coated nanoscale palladium/zero-valent iron alginate beads. <i>Journal of Hazardous Materials</i> , 2015 , 293, 30-6	12.8	24
100	Quantification of nitrate sources in groundwater using hydrochemical and dual isotopic data combined with a Bayesian mixing model. <i>Agriculture, Ecosystems and Environment</i> , 2015 , 199, 369-381	5.7	60
99	Determination of natural backgrounds and thresholds of nitrate in South Korean groundwater using model-based statistical approaches. <i>Journal of Geochemical Exploration</i> , 2015 , 148, 196-205	3.8	45
98	Photocatalytic performance of V ₂ O ₅ /TiO ₂ materials prepared by chemical vapor condensation and impregnation method under visible-light. <i>Powder Technology</i> , 2014 , 258, 352-357	5.2	22

97	Sequestration of arsenate from aqueous solution using 2-line ferrihydrite: equilibria, kinetics, and X-ray absorption spectroscopic analysis. <i>Environmental Earth Sciences</i> , 2014 , 71, 3307-3318	2.9	9
96	Examination of surface phenomena of V ₂ O ₅ -loaded on new nanostructured TiO ₂ prepared by chemical vapor condensation for enhanced NH ₃ -based selective catalytic reduction (SCR) at low temperatures. <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 17900-7	3.6	12
95	Model-based clustering of hydrochemical data to demarcate natural versus human impacts on bedrock groundwater quality in rural areas, South Korea. <i>Journal of Hydrology</i> , 2014 , 519, 626-636	6	34
94	Temperature-dependent thermal stability and dispersibility of SiO ₂ -TiO ₂ nanocomposites via a chemical vapor condensation method. <i>Powder Technology</i> , 2014 , 267, 153-160	5.2	6
93	Role of an impermeable layer in controlling groundwater chemistry in a basaltic aquifer beneath an agricultural field, Jeju Island, South Korea. <i>Applied Geochemistry</i> , 2014 , 45, 82-93	3.5	13
92	Hydrogeochemical interpretation of South Korean groundwater monitoring data using Self-Organizing Maps. <i>Journal of Geochemical Exploration</i> , 2014 , 137, 73-84	3.8	57
91	Assessing redox zones and seawater intrusion in a coastal aquifer in South Korea using hydrogeological, chemical and isotopic approaches. <i>Chemical Geology</i> , 2014 , 390, 119-134	4.2	20
90	Geochemical modeling of CO ₂ -water-rock interactions for two different hydrochemical types of CO ₂ -rich springs in Kangwon District, Korea. <i>Journal of Geochemical Exploration</i> , 2014 , 144, 49-62	3.8	19
89	Changes in the chemical composition of V ₂ O ₅ -loaded CVC-TiO ₂ materials with calcination temperatures for NH ₃ -SCR of NO _x . <i>Journal of Porous Materials</i> , 2013 , 20, 1069-1074	2.4	7
88	Kinetic enhancement in photocatalytic oxidation of organic compounds by WO ₃ in the presence of Fenton-like reagent. <i>Applied Catalysis B: Environmental</i> , 2013 , 138-139, 311-317	21.8	49
87	A mesocosm study on biogeochemical role of rice paddy soils in controlling water chemistry and nitrate attenuation during infiltration. <i>Ecological Engineering</i> , 2013 , 53, 89-99	3.9	5
86	Geologically controlled agricultural contamination and water-rock interaction in an alluvial aquifer: results from a hydrochemical study. <i>Environmental Earth Sciences</i> , 2013 , 68, 203-217	2.9	6
85	Effect of V ₂ O ₅ loading of V ₂ O ₅ /TiO ₂ catalysts prepared via CVC and impregnation methods on NO _x removal. <i>Applied Catalysis B: Environmental</i> , 2013 , 140-141, 708-715	21.8	33
84	Photocatalytic degradation of chlorophenols using star block copolymers: Removal efficiency, by-products and toxicity of catalyst. <i>Chemical Engineering Journal</i> , 2013 , 215-216, 921-928	14.7	22
83	Enhanced low-temperature NH ₃ -SCR activity of a V ₂ O ₅ /TiO ₂ composite prepared via chemical vapor condensation and impregnation method. <i>Materials Research Bulletin</i> , 2013 , 48, 4415-4418	5.1	19
82	Current status of trace metal pollution in soils affected by industrial activities. <i>Scientific World Journal, The</i> , 2012 , 2012, 916705	2.2	67
81	Hydrogeochemical processes in clastic sedimentary rocks, South Korea: A natural analogue study of the role of dedolomitization in geologic carbon storage. <i>Chemical Geology</i> , 2012 , 306-307, 103-113	4.2	30
80	Role of iron colloids in copper speciation during neutralization in a coastal acid mine drainage, South Korea: Insight from voltammetric analyses and surface complexation modeling. <i>Journal of Geochemical Exploration</i> , 2012 , 112, 244-251	3.8	8

79	Reaction path modeling of hydrogeochemical evolution of groundwater in granitic bedrocks, South Korea. <i>Journal of Geochemical Exploration</i> , 2012 , 118, 90-97	3.8	30
78	Effect of Spa Spring Water on Cytokine Expression in Human Keratinocyte HaCaT Cells and on Differentiation of CD4(+) T Cells. <i>Annals of Dermatology</i> , 2012 , 24, 324-36	0.4	19
77	Influence of dissolved ions on determination of oxygen isotope composition of aqueous solutions using the CO ₂ -H ₂ O equilibration method. <i>Rapid Communications in Mass Spectrometry</i> , 2012 , 26, 2083-92	2.2	10
76	Seawater-freshwater mixing and resulting calcite dissolution: an example from a coastal alluvial aquifer in eastern South Korea. <i>Hydrological Sciences Journal</i> , 2012 , 57, 1672-1683	3.5	10
75	Evaluation of Geostatistical Approaches for better Estimation of Polluted Soil Volume with Uncertainty Evaluation. <i>Journal of Soil and Groundwater Environment</i> , 2012 , 17, 69-81		3
74	Status and Implications of Regulatory Frameworks for Environmental Management of Geologic CO ₂ Storage in USA and EU. <i>Journal of Soil and Groundwater Environment</i> , 2012 , 17, 9-22		
73	Sources and biogeochemical behavior of nitrate and sulfate in an alluvial aquifer: Hydrochemical and stable isotope approaches. <i>Applied Geochemistry</i> , 2011 , 26, 1249-1260	3.5	39
72	Metal enrichment and magnetic properties of core sediments from the eastern Yellow Sea, East Asia: Implications for paleo-depositional change during the late Pleistocene/Holocene transition. <i>Quaternary International</i> , 2011 , 230, 95-105	2	8
71	Influence of Different Substrates in Wetland Soils on Denitrification. <i>Water, Air, and Soil Pollution</i> , 2011 , 215, 549-560	2.6	8
70	Arsenite Oxidation and Treatment by Ultrasound/Iron in Aqueous Solutions. <i>Japanese Journal of Applied Physics</i> , 2011 , 50, 07HE08	1.4	3
69	Time-series analysis of three years of groundwater level data (Seoul, South Korea) to characterize urban groundwater recharge. <i>Quarterly Journal of Engineering Geology and Hydrogeology</i> , 2010 , 43, 117-127	1.7	17
68	Removal of divalent heavy metals (Cd, Cu, Pb, and Zn) and arsenic(III) from aqueous solutions using scoria: kinetics and equilibria of sorption. <i>Journal of Hazardous Materials</i> , 2010 , 174, 307-13	12.8	137
67	Contamination of groundwater by arsenic and other constituents in an industrial complex. <i>Environmental Earth Sciences</i> , 2010 , 60, 65-79	2.9	8
66	Geochemical studies on the contamination and dispersion of trace metals in intertidal sediments around a military air weapons shooting range. <i>Journal of Soils and Sediments</i> , 2010 , 10, 1142-1158	3.4	10
65	Evaluation of factors affecting performance of a zeolitic rock barrier to remove zinc from water. <i>Journal of Hazardous Materials</i> , 2010 , 175, 224-34	12.8	18
64	Factor and Cluster Analyses of Water Chemistry in and around a Large Rockfill Dam: Implications for Water Leakage. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2009 , 135, 1254-1263	3.4	6
63	Hydrochemical and multivariate statistical interpretations of spatial controls of nitrate concentrations in a shallow alluvial aquifer around oxbow lakes (Osong area, central Korea). <i>Journal of Contaminant Hydrology</i> , 2009 , 107, 114-27	3.9	66
62	Identification of groundwater recharge sources and processes in a heterogeneous alluvial aquifer: results from multi-level monitoring of hydrochemistry and environmental isotopes in a riverside agricultural area in Korea. <i>Hydrological Processes</i> , 2009 , 24, n/a-n/a	3.3	5

61	Estimation of anthropogenic pollution using a Bayesian contamination model: an application to fractured bedrock groundwater from Han River Watershed, South Korea. <i>Environmetrics</i> , 2009 , 20, 221-234	1.3	2
60	Coal fly ash and synthetic coal fly ash aggregates as reactive media to remove zinc from aqueous solutions. <i>Journal of Hazardous Materials</i> , 2009 , 164, 235-46	12.8	25
59	Clustering of temporal profiles using a Bayesian logistic mixture model: Analyzing groundwater level data to understand the characteristics of urban groundwater recharge. <i>Journal of Agricultural, Biological, and Environmental Statistics</i> , 2009 , 14, 356-373	1.9	4
58	Geochemical behavior of rare earth elements during the evolution of CO ₂ -rich groundwater: A study from the Kangwon district, South Korea. <i>Chemical Geology</i> , 2009 , 262, 318-327	4.2	29
57	Experimental studies of oxygen isotope fractionation between rhodochrosite (MnCO ₃) and water at low temperatures. <i>Geochimica Et Cosmochimica Acta</i> , 2009 , 73, 4400-4408	5.5	15
56	Hydrochemical and stable isotopic assessment of nitrate contamination in an alluvial aquifer underneath a riverside agricultural field. <i>Agricultural Water Management</i> , 2009 , 96, 1819-1827	5.9	31
55	Origin and evolution of two contrasting thermal groundwaters (CO ₂ -rich and alkaline) in the Jungwon area, South Korea: Hydrochemical and isotopic evidence. <i>Journal of Volcanology and Geothermal Research</i> , 2008 , 178, 777-786	2.8	23
54	Hydrochemistry of urban groundwater, Seoul, Korea: the impact of subway tunnels on groundwater quality. <i>Journal of Contaminant Hydrology</i> , 2008 , 101, 42-52	3.9	46
53	Fe and Mn levels regulated by agricultural activities in alluvial groundwaters underneath a flooded paddy field. <i>Applied Geochemistry</i> , 2008 , 23, 44-57	3.5	19
52	The use of ion exchange membranes for isotope analyses on soil water sulfate: laboratory experiments. <i>Journal of Environmental Quality</i> , 2008 , 37, 501-8	3.4	4
51	Evaluation of the processes affecting vertical water chemistry in an alluvial aquifer of Mankyeong Watershed, Korea, using multivariate statistical analyses. <i>Environmental Geology</i> , 2008 , 54, 335-345		5
50	Spatio-temporal variation of pH and ionic concentrations in precipitation: interaction between two contrasting stationary sources affecting air quality. <i>Geosciences Journal</i> , 2008 , 12, 205-213	1.4	3
49	Logistic mixture of multivariate regressions for analysis of water quality impacted by agrochemicals. <i>Environmetrics</i> , 2007 , 18, 499-514	1.3	4
48	Two-year magnetic monitoring in conjunction with geochemical and electron microscopic data of roadside dust in Seoul, Korea. <i>Atmospheric Environment</i> , 2007 , 41, 7627-7641	5.3	86
47	Fluorine geochemistry in bedrock groundwater of South Korea. <i>Science of the Total Environment</i> , 2007 , 385, 272-83	10.2	275
46	Geoelectric resistivity sounding of riverside alluvial aquifer in an agricultural area at Buyeo, Geum River watershed, Korea: an application to groundwater contamination study. <i>Environmental Geology</i> , 2007 , 53, 849-859		25
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